

Compressed
air treatment

Pressure



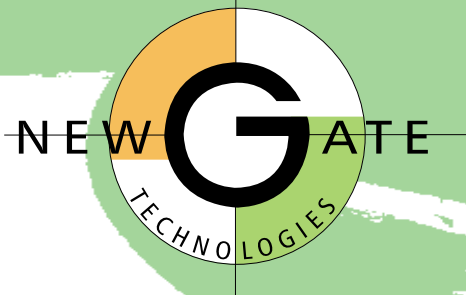
Swing

Small Flow Heatless Desiccant Dryers

Wall or Floor Mountable!
NEMA-4 Control Box

NewGate NPS-SF Series Small Flow Heatless Pressure Swing compressed air dryers offer the lowest initial cost and highest reliability solution for providing low dew point dry air.

These dryers are simple to install and operate, have minimal maintenance, and provide dry air with a constant, dependable, -40°F pressure dewpoint as standard.



Small Flow Heatless Dryer Information

Pressure Swing
 Small Flow Heatless Desiccant Dryers

Design Features:

- Solid state timer with LED display for visual monitoring and built in timer memory.
- Only eight threaded connections, 75% less possible leak points than competitive units.
- Low velocity air through the desiccant for more efficient drying.
- Components are all easily serviced and field replaceable.
- Large internal air passages to reduce pressure drop.
- Low wattage valves equipped with DIN connectors.
- Timing cycle is 50% longer than competitive dryers, allowing less desiccant shock and less wear on the valves.
- Repressurization before tower switch-over causes less desiccant shock and no pressure pulses during switch over.

Typical Applications:

Electronic chip testing	Vortex tubes	Air operated pumps
Waveguide drying	Car wash controls	Flame sprayers
Outdoor HVAC controls	Spectrometers	Sewage treatment controls
Environmental chambers	Air brushing	Dry powder coating
Pollution instrumentation	Gas chromatographs	Natural gas switch controls
Antenna pressurization	Robotic machinery	Grain elevator controls
Air bearings	Laboratory analyzers	Oil well logging instruments
Graphic printers	Dry sprinkler systems	Heat aging ovens
Air turbines	Ozone generators	Vent air for storage tanks

Specifications:

MODEL NO. NPS -	SF 03	SF 06	SF 09	SF 12	SF 16	SF 25	SF 50
Flows at 100 PSIG (SCFM)							
Inlet Flow	3.0	6.0	9.0	12.0	16.0	25.0	50.0
Purge Flow	0.8	1.6	2.4	3.2	3.4	5.4	10.8
Outlet Flow	2.2	4.4	6.6	8.8	12.6	19.6	39.2
Flows at 50 PSIG (SCFM)							
Inlet Flow	1.7	3.4	5.1	6.8	9.0	14.1	28.2
Purge Flow	0.8	1.6	2.4	3.2	3.4	5.4	10.8
Outlet Flow	1.0	2.0	3.0	4.0	6.0	9.3	18.5
Connections (NPT)							
Inlet	3/8"	3/8"	3/8"	3/8"	1/2"	1/2"	1/2"
Outlet	3/8"	3/8"	3/8"	3/8"	1/2"	1/2"	1/2"
Dimensions (Inches)							
Height	11.6	15.9	15.8	18.6	26.3	34.5	38.8
Width	5.0	5.0	5.0	5.0	6.2	6.2	6.6
Length	6.5	6.5	6.5	6.5	9.5	9.5	10.0

All Models:

Electrical Requirement: 115V or 220V/1Ph/50 or 60Hz
 Maximum Temperature: 120°F ambient.
 Maximum Pressure: 150 PSIG.
 Outlet Pressure Dewpoint: -40°F @ 100°F Saturated Inlet



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